

ATTACHMENT E

TEXTILE SPECIFICATIONS NATIONAL PARK SERVICE, U.S. FISH AND WILDLIFE SERVICE, AND U.S. ARMY CORPS OF ENGINEERS

T700 Fabric, Forest Green 5.5 Oz. Poly/Combed Cotton Twill

GENERAL DESCRIPTION

Milliken Style or Gale and Lord Bandmaster F/S 1281 twill or equal.

SALIENT CHARACTERISTICS

Weight: 5.2 - 5.5 oz per square yard

Color: Forest Green.

Fiber Content: 65% polyester, 35% combed cotton.

Yarn: Singles, warp and filling.

Construction: 116 ends per inch +10%, 52 picks per inch +10%, 2/1 left hand twill

Finish: Precure

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 150 minimum; Filling 80 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

ATTACHMENT E

T701 Fabric, Forest Green 9 Oz. Poly/ Cotton/ Spandex Twill

GENERAL DESCRIPTION

Sportif Stretch Espa right hand twill Style NT 4500 or equal.

SALIENT CHARACTERISTICS

Weight: 9 oz per square yard

Color: Forest Green.

Fiber Content: 62% polyester, 34% cotton, 4% spandex.

Yarn: Two ply yarns, 140 denier spandex core.

Construction: 110 ends per inch +10%, 63 picks per inch +10%, right hand twill

Finish: Precure, soil release

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

ATTACHMENT E

T702 Fabric, Forest Green 16 Oz. Poly/Wool Elastique

GENERAL DESCRIPTION

Raeford Mills Style 646-168 stock dyed elastique fabric or equal.

SALIENT CHARACTERISTICS

Weight: 16 – 16.5 oz. Per linear yard.

Width: 60 inches

Color: Raeford color 168 Forest Green.

Fiber Content: 55% Polyester, 45% Wool. Average wool staple fiber length is 3.5 inches

Yarn: Worsted spun, 2-ply warp and filling.

Construction: 125 ends per inch, 85 picks per inch.

Kaumograph: Mill trademark shall be stamped on back of fabric.

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 210 minimum; Filling 135 lb minimum

Fabric Appearance: D. P. 3.5 minimum

ATTACHMENT E

T703 Fabric, Forest Green 11 Oz. Poly/Wool, Tropical

GENERAL DESCRIPTION

Raeform Mills Style 3933-168 stock dyed tropical fabric or equal.

SALIENT CHARACTERISTICS

Weight: 11 – 11.5 oz. Per linear yard.

Color: Raeform 168 Forest Green.

Fiber Content: 55% polyester, 45% Wool. The average wool staple fiber length is 3.5 inches.

Yarn: Worsted spun, 3-ply warp and filling.

Construction: 50 ends per inch, 40 picks per inch.

Kaumograph: Mill trademark shall be stamped on back of fabric.

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 110 minimum; Filling 100 lb minimum

Fabric Appearance: D. P. 3.5 minimum

ATTACHMENT E

T704 Fabric, Forest Green 6.6 Oz. Poly/Rayon Poplin, Tropical

GENERAL DESCRIPTION

Delta 6.6 Oz. Poly/Rayon Poplin or equal.

SALIENT CHARACTERISTICS

Weight: 6.6 oz per square yard

Color: Forest Green.

Fiber Content: 65% polyester, 35% rayon.

Yarn: Singles, warp and filling.

Construction: 49 ends per inch +10%, 36 picks per inch +10%, poplin

Finish: Precure

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 100 minimum; Filling 60 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Pilling: 4.0 minimum ASTM D 3512 Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester.

ATTACHMENT E

T705 Fabric, Forest Green or Brown 8 Oz. 65/35 Poly/Combed Cotton Twill

GENERAL DESCRIPTION

Graniteville Chetopa IV twill or equal.

SALIENT CHARACTERISTICS

Weight: 8 -8.5 oz per square yard

Color: Forest Green or Brown, vat dye.

Fiber Content: 65% polyester, 35% combed cotton.

Yarn: Ring spun singles, warp and open end singles, filling.

Construction: 112 ends per inch +10%, 52 picks per inch +10%, 3/1 right hand twill

Finish: Precure

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 250 minimum; Filling 120 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Tear: 16 lb minimum, warp; 10 lb minimum, filling (Elmendorf ASTM D 1424)

ATTACHMENT E

T706 Fabric, Forest Green 10 Oz. 65/35 Poly/Combed Cotton Twill

GENERAL DESCRIPTION

Graniteville Ferdinand twill or equal.

SALIENT CHARACTERISTICS

Type-Class

Weight: 10 oz +/-5% per square yard

Color: Forest Green, vat dye.

Fiber Content: 65% polyester, 35% combed cotton.

Yarn: Open end singles, warp and open end singles, filling.

Construction: 70 ends per inch +5%, 39 picks per inch +5%, 3/1 left hand twill

Finish: Precure, soil release

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 155 minimum; Filling 110 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Tear: Warp, 10 lb minimum; Filling, 10 lb minimum (Elmendorf ASTM D 1424)

ATTACHMENT E

T707 Fabric, Grey 4 - 4.25 Oz. 65/35 Poly/ Cotton Twill

GENERAL DESCRIPTION

Greenwood Powerhouse Poplin, or Galey and Lord Concept F/S 1185, or equal.

SALIENT CHARACTERISTICS

Weight: 4 -4.25 oz per square yard

Color: NPS Grey, vat dye.

Fiber Content: 65% polyester, 35% cotton.

Yarn: Singles, warp and filling.

Construction: 100 ends per inch +10%, 52 picks per inch +10%, plain weave

Finish: Precure, soil release

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 120 minimum; Filling 50 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Tear : 4.5 lb minimum, warp; 3 lb minimum, filling (Elmendorf ASTM D 1424)

ATTACHMENT E

T708 Fabric, Forest Green or Brown 3.2 Oz Taslanized Nylon, Goretex

GENERAL DESCRIPTION

Goretex film laminated to 3.2 oz taslanized nylon taffeta or equal.

SALIENT CHARACTERISTICS

Weight: 3.2 oz per square yard, nylon taffeta only

Color: Forest Green or Brown.

Fiber Content: 100% taslanized nylon.

Yarn: Filament, two ply filling.

Construction: 144 ends per inch +10%, 66 picks per inch +10%, plain weave

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Tear: 4.5 lb minimum, warp; 3 lb minimum, filling (Elmendorf ASTM D 1424)

Water Repellency: 0 maximum, AATCC Test Method 22

Oil Repellency: 0 maximum, AATCC Test Method 118

ATTACHMENT E

T709 Fabric, Grey 10 Oz. Poly/Rayon Poplin, Tropical

GENERAL DESCRIPTION

Delta or equal.

SALIENT CHARACTERISTICS

Weight: 10 oz per square yard

Color: Grey.

Fiber Content: 65% polyester, 35% rayon.

Yarn: Singles, warp and filling.

Construction: 49 ends per inch +10%, 36 picks per inch +10%, poplin

Finish: Precure

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 100 minimum; Filling 60 lb minimum

Fabric Appearance: DP, 3.5 minimum

Burnt gas fumes: Omit

Pilling: 4.0 minimum, with no specimen testing lower than a 4.0. ASTM D 3512 Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester

ATTACHMENT E

T710 Fabric, Brown 12.5 Oz. 100% Cotton Denim, Twill

GENERAL DESCRIPTION

Graniteville Super Natural Denim 05-7547 or equal.

SALIENT CHARACTERISTICS

Weight: 12.5 oz per square yard

Color: Brown, vat dye.

Fiber Content: 100% cotton.

Yarn: Singles, warp and filling.

Construction: 63 ends per inch +10%, 40 picks per inch +10%, 3/1 left hand twill

Finish: Non-seasonal suede, non-durable finish

Other Requirements: Fabric shall meet the requirements of ASTM D 4232 Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics, Table 1 Career Vocational Apparel Fabric Requirements

Exceptions to ASTM D 4232:

Breaking Strength: Warp, 180 minimum; Filling 110 lb minimum

Burnt gas fumes: Omit

Tear: 13 lb minimum, warp; 10 lb minimum, filling (Elmendorf ASTM D 1424)